



Water-Data Report CA-2005

10308792 LEVIATHAN CREEK ABOVE MOUNTAINEER CREEK, NEAR MARKLEEVILLE, CA

Carson River Basin

LOCATION.--Lat 38°44'12", long 119°38'39" referenced to North American Datum of 1927, in SW ¼ SW ¼ sec.2, T.10 N., R.21 E., Alpine County, Hydrologic Unit 16050201, on left bank, 4.4 mi north of State Highway 89, and 7.5 mi northeast of Markleeville.

DRAINAGE AREA.--10.8 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--December 1999 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,300 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 52 ft³/s, Apr. 17, 2005, gage height, 8.38 ft; minimum daily, 0.02 ft³/s, Aug. 11, 2001.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 20 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Apr 17	1707	*52	*8.38
May 16	1015	30	8.11

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES
[*e*, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.11	0.41	e0.65	0.33	0.82	1.2	8.2	13	4.0	0.97	0.25	0.78
2	0.12	0.51	e0.65	0.30	0.75	1.2	10	13	3.7	0.93	0.27	0.59
3	0.11	0.55	e0.64	0.29	0.73	1.2	9.1	16	3.4	0.89	0.38	0.39
4	0.11	0.51	e0.66	0.30	0.73	1.3	7.9	16	3.2	0.83	0.50	0.39
5	0.11	0.58	e0.69	0.31	0.75	1.4	8.9	21	3.0	0.77	0.45	0.38
6	0.11	0.65	e0.71	0.32	0.74	1.6	e15	17	2.9	0.76	0.38	0.37
7	0.11	0.61	e0.71	0.36	0.73	1.9	e11	17	3.1	0.74	0.32	0.46
8	0.16	e0.73	e0.72	e0.31	0.71	2.7	e6.8	e17	2.8	0.72	0.26	0.45
9	0.32	e0.60	e0.71	e0.29	0.67	4.1	e5.3	19	3.0	0.73	0.23	0.39
10	0.13	0.64	0.73	e0.46	0.63	5.8	e4.8	e14	2.8	0.70	0.21	0.48
11	0.13	0.64	0.69	e0.44	0.63	6.2	e7.0	e14	2.5	0.67	0.28	0.52
12	0.13	0.71	0.66	e0.48	0.66	7.1	e8.9	e15	2.2	0.62	0.35	0.49
13	0.13	0.67	0.51	0.55	0.67	6.8	e7.4	e16	2.1	0.59	0.44	0.48
14	0.14	0.56	0.44	0.60	0.66	5.0	e6.0	e16	2.1	0.58	0.44	0.63
15	0.15	0.53	0.43	0.67	0.66	4.2	e7.4	13	1.9	0.55	0.35	0.67
16	0.15	0.51	0.38	0.70	0.66	3.4	e10	20	1.8	0.54	0.23	0.83
17	0.31	0.52	0.47	0.70	0.66	2.9	e14	16	2.1	0.54	0.22	0.84
18	0.49	0.50	0.42	0.71	0.64	2.9	16	17	1.9	0.66	0.21	0.89
19	0.53	0.48	0.48	0.73	0.69	3.4	13	16	1.7	0.53	0.22	0.62
20	0.60	0.38	0.50	0.91	0.72	3.5	10	15	1.7	0.46	0.22	0.48
21	0.53	0.32	0.42	1.1	0.75	2.7	12	12	1.5	0.41	0.26	0.60
22	0.47	0.39	e0.43	1.1	0.82	4.0	12	10	1.4	0.36	0.49	0.45
23	0.50	0.43	e0.46	1.2	0.84	4.0	12	9.3	1.4	0.35	0.51	0.34
24	0.47	0.50	e0.44	1.3	0.93	3.6	11	8.5	1.6	0.36	0.42	0.31
25	0.43	0.60	e0.47	1.3	1.2	3.4	11	7.5	1.4	0.35	0.50	0.50
26	0.41	0.60	e0.46	1.3	1.2	3.7	12	7.1	1.4	0.34	0.34	0.59
27	0.44	e0.62	e0.43	1.2	1.2	7.2	12	6.3	1.2	0.32	0.43	0.81
28	0.45	e0.62	e0.42	1.1	1.2	13	12	5.5	1.5	0.34	0.38	0.81
29	0.55	e0.62	0.36	0.95	---	9.2	9.6	4.9	1.1	0.31	0.53	0.79
30	0.55	e0.63	0.31	0.88	---	6.4	11	4.7	1.0	0.27	0.81	0.79
31	0.47	---	0.34	0.84	---	5.7	---	4.4	---	0.27	0.82	---
Total	9.42	16.62	16.39	22.03	22.05	130.7	301.3	401.2	65.4	17.46	11.70	17.12
Mean	0.30	0.55	0.53	0.71	0.79	4.22	10.0	12.9	2.18	0.56	0.38	0.57
Max	0.60	0.73	0.73	1.3	1.2	13	16	21	4.0	0.97	0.82	0.89
Min	0.11	0.32	0.31	0.29	0.63	1.2	4.8	4.4	1.0	0.27	0.21	0.31
Ac-ft	19	33	33	44	44	259	598	796	130	35	23	34

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	0.25	0.50	0.50	0.81	0.92	2.74	4.04	3.11	0.71	0.29	0.28	0.29
Max	0.34	0.66	0.65	1.70	1.40	4.22	10.0	12.9	2.18	0.56	0.46	0.57
(WY)	(2001)	(2002)	(2003)	(2003)	(2000)	(2005)	(2005)	(2005)	(2005)	(2005)	(2000)	(2005)
Min	0.12	0.22	0.41	0.43	0.62	1.56	1.83	0.76	0.21	0.13	0.11	0.10
(WY)	(2004)	(2004)	(2004)	(2002)	(2002)	(2001)	(2004)	(2004)	(2001)	(2001)	(2001)	(2004)

10308792 LEVIATHAN CREEK ABOVE MOUNTAINEER CREEK, NEAR MARKLEEVILLE, CA—Continued**SUMMARY STATISTICS**

	Calendar Year 2004	Water Year 2005	Water Years 2000 - 2005	
Annual total	306.06	1,031.39		
Annual mean	0.84	2.83	1.25	
Highest annual mean			2.83	2005
Lowest annual mean			0.65	2001
Highest daily mean	8.1	Mar 18	21	May 5, 2005
Lowest daily mean	0.03	Sep 12	0.11	Oct 1, 2001
Annual seven-day minimum	0.05	Sep 9	0.11	Oct 1, 2004
Maximum peak flow			52	Apr 17, 2005
Maximum peak stage			8.38	Apr 17, 2005
Annual runoff (ac-ft)	607	2,050	905	
10 percent exceeds	1.9	10	2.9	
50 percent exceeds	0.49	0.69	0.50	
90 percent exceeds	0.11	0.31	0.13	

